PDR RID Report

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Section	**Page**	**Figure Table**

Category Name User & Algorithm Models   **Actionee** HAIS

Sub Category

Subject User Evolution and History: Archive structure and maintenance of "special" data sets

Description of Problem or Suggestion:

The user model scenarios show a single user coming into the system and doing a specific problem. This is representative of user in the long-term after the data has reached some maturation. Experience in the DAO is that initial users often come in with requests for large quantities of data, spanning the archives. They often make similar requests. It is possible to define subsets that should be maintained in parallel to the archive that save vast amounts of fishing through the archive. Is there a capability to maintain these data sets? This is different from popular data sets on CD ROMs.

Originator's Recommendation

GSFC Response by: **GSFC Response Date**

HAIS Response by: Eisenstein   **HAIS Schedule** 5/22/95

HAIS R. E. Newell   **HAIS Response Date** 5/16/95

Yes, ECS will be providing some capabilities to both automatically and manually retain frequently requested data sets. Data that is being distributed is temporarily stored in a data cache on the staging disk. The data cache provides several useful features. First, prior to retrieving or generating a data set, the list of cached data is searched in order to determine if a copy of the newly requested data set is already present on the staging disk. Second, the size of the cache and the minimum and maximum default cache residency times can be specified by the operations staff. This will allow for the automatic detection and retention of popular data sets. Finally, the operations staff will have the opportunity to both peruse the list of cached data and to manually modify the cache entries in order to either extend or shorten the amount of time that a data set will remain cached. This will allow the operations staff to manually retain a known list of popular data sets in cache.

Status **Closed**   **Date Closed** **6/8/95**   **Sponsor** **Daly**

****** Attachment if any ******